



FEETRANSMITTAL
for FY 2001
(Large Entity)

6P1646 15
Complete if Known

		Application Number	09/509,482
		Filing Date	September 15, 2000
		First Named Inventor	Linda A. Crofts
		Examiner Name	John D. Ulm
		Group Art Unit	1646
Total Amount of Payment	(\$110.00)	Attorney Docket Number	1871-130

TECH CENTER 1600/2900
FEB 15 2002
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METHOD OF PAYMENT (check one)

- The Commissioner is hereby authorized to charge the required fees to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck
- Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17
- Applicant claims small entity status
- Payment Enclosed
 - Check
 - Credit Card

FEETCALCULATION (continued)

3. ADDITIONAL FEES

Fee Code	Fee Paid	Fee Description	Fee Paid
105	130	Surcharge - late filing fee or oath	[]
127	50	Surcharge - late provisional filing fee or cover sheet	[]
139	130	Non-English specification	[]
147	2,520	For filing a request for reexamination	[]
112	920	Requesting publication of SIR prior to Examiner action	[]
113	1,840*	Requesting publication of SIR after Examiner action	[]
115	110	Extension for reply within first month	[110.00]
116	400	Extension for reply within second month	[]
117	920	Extension for reply within third month	[]
118	1,440	Extension for reply within fourth month	[]
128	1,960	Extension for reply within fifth month	[]
119	320	Notice of Appeal	[]
120	320	Filing a brief in support of an appeal	[]
121	280	Request for Oral Hearing	[]
138	1,510	Petition to institute a public use proceeding	[]
140	110	Petition to revive -unavoidable	[]
141	1,280	Petition to revive -unintentional	[]
142	1,280	Utility issue fee (or reissue)	[]
143	460	Design issue fee	[]
144	620	Plant issue fee	[]
122	130	Petitions to the Commissioner	[]
123	50	Processing fee under 37 CFR 1.17(q)	[]
126	180	Submission of Information Disclosure Statement	[]
581	40	Recording each patent assignment per property (times number of properties)	[]
146	740	Filing a submission after final rejection (37 CFR 1.129(a))	[]
Total Claims	[] - 20** = [] x \$18 = []	149	740
Independent Claims	[] - 3** = [] x 84 = []	179	740
Multiple Dependent Claims	+ 280 = []	169	900
**or number previously paid, if greater;		195	300
		196	300
		089	200
		090	400
			Other fee (specify)

* Reduced by Basic Filing Fee Paid

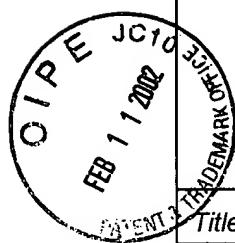
SUBTOTAL \$110.00

SUBMITTED BY			Complete (if applicable)	
NAME AND REG. NUMBER	Barbara G. Ernst, Reg. No. 30,377			
SIGNATURE	Barbara G. Ernst	DATE	Feb. 11, 2002	DEPOSIT ACCOUNT USER ID

#8/Electr/
Amott B
Isoforms

2-20-02

IN THE
UNITED STATES
PATENT AND TRADEMARK
OFFICE



Application Number	09/509,482	TE
Filing Date	September 15 2000	EE
First Named Inventor	Linda A. Crofts	B
Group Art Unit	1646	15
Examiner Name	John D. Ulm	2002
Attorney Docket Number	1871-130	2000

Title of the Invention: Isoforms of the Human Vitamin D Receptor

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RESPONSE TO RESTRICTION REQUIREMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated December 10, 2001,
please enter the amendments summarized below.

Amend claims 1, 10 and 17 as shown on the following pages.

Marked-up copies of the original text of the amended
portions of the claims are attached to this amendment. Material
inserted is indicated by redlining (insertion) and material
deleted is indicated by strike-out (strike-out).

Clean Copy of Amended Claims:

Sub C4 B1 Claim 1. An isolated polynucleotide molecule encoding a
human Vitamin D receptor (hVDR) isoform, said polynucleotide
molecule comprising a nucleotide sequence which comprises a
sequence that substantially corresponds or is functionally
equivalent to that of exon 1d of the human VDR gene or a sequence
complementary thereto.

B2 Claim 10 (twice amended). A host cell transformed with a
polynucleotide molecule according to claim 1 or a plasmid or
expression vector according to claim 9.

B3 Claim 17 (twice amended). A non-human animal transformed
with a polynucleotide molecule according to claim 1.